

Work Order ID 72351



Page 1

Friday, July 22, 2011 2:49:39 PM

Item ID: D139-799-015

Accept



Setup Start



Revision ID:

Stop



Item Name: Engine Wash

Start Date: 7/22/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 7/29/2011 Req'd Qty: 4.00



Customer:

Reference:

Run Start



Approvals: Process Plan: *[Signature]*

Date: 11-07-22 Tooling:

Date:

QC:

Date: SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
IIN-D139-799	D

100

0.00



DC

Document Control

Memo

0.00

Photocopy bluefile & type labels per PPP D139-799-015
CHG002

Sublet/30

for BG 11-7-28
(4)

110

Pick Kit

0.00



Packaging

Packaging

Memo

0.00

JB *11/08/05*

120

QC4- 100% Inspect kits for completeness

0.00



QC

Quality Control

Memo

0.00

to Rev D only

Sublet/30

(4)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 72351



Page 2

Friday, July 22, 2011 2:49:40 PM

Item ID: D139-799-015

Accept



Setup Start



Revision ID:

Stop



Item Name: Engine Wash

Start Date: 7/22/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 7/29/2011 Req'd Qty: 4.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130

0.00



Packaging

Memo

0.00

Identify and pack for shipping as per PPP D139-799-015

Location: F50

PPP rev: A

11/8/30

SP(4)

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/8/30

mf 11-08-30

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 1

Friday, July 22, 2011 2:49:47 PM

Work Order ID: 72351

Parent Item: D139-799-015

Parent Item Name: Engine Wash



Start Date: 7/22/2011

Required Date: 7/29/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:B 11.07.04 new issue DD verf:JLM
AS PER ECN 11-598 11-06-05 JLM VERIFIED BY:DD

IPP REV:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D4121-1 Manufactured No

110 Each 8.0000



Hose Assembly

2 8
B72465 11/8/155

Location

Loc Qty

Loc Code

ST192

8

D4121-3 Manufactured No

110 Each 6.0000



Hose Assembly

1 4 ✓
72245x2 JB

Location

Loc Qty

Loc Code

ST

6

71290

2

71610

4

D4121-5 Manufactured No

110 Each 6.0000



Hose Assembly

1 4 ✓
72246 JB 11/08/05

Location

Loc Qty

Loc Code

ST

2

71291

2

ST192

4

71411

4

D4131-041 Manufactured No

110 Each 0.0000



Manifold Assembly

1 4
724722 JB 10/14/10
B71412 (20)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 2

Friday, July 22, 2011 2:49:48 PM

Work Order ID: 72351

Parent Item: D139-799-015

Parent Item Name: Engine Wash

Start Date: 7/22/2011

Required Date: 7/29/2011

Start Qty: 4.00

Required Qty: 4.00

D4131-043

Manufactured No

110

Each

4.0000



Doubler Assembly

Location

Loc Qty

Loc Code

ST132

4

70313

4

110

Each

10.0000

D4146-1

Manufactured No



Fitting

Location

Loc Qty

Loc Code

ST132

10

71416

10

110

Each

14.0000

D4182-1

Manufactured No



Fitting, Quick Disconnect

Location

Loc Qty

Loc Code

ST135

10

71611

10

ST136

4

70316

4

110

Each

4.0000

D4384-1

Manufactured No



Placard

Location

Loc Qty

Loc Code

ST139F

4

71520

4



1

4

B72473

11/8/11



2

8

B72471

JB

Le



2

8

71416x2

72463x2 JB

Le



4

72056 JB

11/08/05

Le

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 3

Friday, July 22, 2011 2:49:48 PM

Work Order ID: 72351

Parent Item: D139-799-015

Parent Item Name: Engine Wash

Start Date: 7/22/2011

Required Date: 7/29/2011

Start Qty: 4.00

Required Qty: 4.00

AN526-1032R16 Purchased No

Each 76.0000



Screw

Location

Loc Qty

Loc Code

ST328

76

118234

76

110

Each

10.0000

AN832-6J

Purchased

No



Union

Location

Loc Qty

Loc Code

ST333

10

118262

6

118300

4

110

Each

28.0000

AN924-6J

Purchased

No



Nut

Location

Loc Qty

Loc Code

ST335

27

118234

7

118378

10

118384

10

ST336

1

115884

1

110

Each

0.0000

MS21919WDG09

Purchased

No



Clamp

4x 16 ✓ JB

118234

8

118490x6 JB

118300x2

.16

118473x5 JB

118378x1

118384x80

20 80 ✓

118234x29 JB

118406x51

11/08/05

(4)

Friday, July 22, 2011 2:49:48 PM

Shop Packet Print

Page 3

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 4

Friday, July 22, 2011 2:49:48 PM

Work Order ID: 72351



Parent Item: D139-799-015



Parent Item Name: Engine Wash

Start Date: 7/22/2011

Required Date: 7/29/2011

Start Qty: 4.00

Required Qty: 4.00

NAS1149C0932R

Purchased

No

Each

188.0000



8

JB 11/08/05 (4)

S
74



Washer

Location

Loc Qty

Loc Code

ST296

188

118242

188

118242

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

5.0 PARTS LIST

Qty -011	Qty -012	Qty -013	Qty -015	Qty -017	Part Number	Description
X					D139-799-011	MAINTENANCE STEP KIT
	X				D139-799-012	MAINTENANCE STEP KIT
		X			D139-799-013	CARGO DOOR HINGE KIT
			X		D139-799-015	ENGINE WASH KIT
				X	D139-799-017	FLOOR PROTECTOR KIT
		1			D2585	MOUNTING CHANNEL
		1			D2586	DOOR LATCH
		1			D2621	LATCH PLATE
		1			D3552-13	DOOR PROP
				2	D3580-1	JOGGLE BRACKET
		1			D3622-1	BALL STUD
		1			D3622-3	BALL STUD
				2	D3628-1	CUPPED WASHER
		2			D4072-1	AIRFRAME HINGE
		2			D4072-3	AIRFRAME HINGE BACKING PLATE
		4			D4072-5	BUSHING
		2			D4073-1	DOOR HINGE
		2			D4073-3	DOOR HINGE BACKING PLATE
		1			D4074-1	BRACKET
		1			D4074-3	CHANNEL
		1			D4074-5	BACKING PLATE
		1			D4074-7	STRIKER PLATE
1					D4092-041	MAINTENANCE STEP ASSEMBLY
	1				D4092-042	MAINTENANCE STEP ASSEMBLY
			2		D4121-1	HOSE ASSEMBLY
			1		D4121-3	*HOSE ASSEMBLY
			1		D4121-5	*HOSE ASSEMBLY
				1	D4130-5	FWD CARGO FLOOR PROTECTOR
				1	D4130-7	CENTER CARGO FLOOR PROTECTOR
				1	D4130-9	AFT CARGO FLOOR PROTECTOR
			1		D4131-041	MANIFOLD ASSEMBLY
			1		D4131-043	DOUBLER ASSEMBLY
			2		D4146-1	FITTING
				2	D4153-1	JOGGLE BRACKET
				2	D4166-1	PLACARD, MAX LOAD
			2		D4182-1	FITTING, QUICK DISCONNECT
			1		D4384-1	PLACARD
4	4				AN6H12	BOLT
			4		AN526-1032R16	SCREW
			2		AN832-6J	UNION
			4		AN924-6J	NUT
		20			MS21042L3	NUT (OR MS21042-3)
		1			MS21042L5	NUT (OR MS21042-5)
			20		MS21919WDG09	CLAMP
		8			MS27039-1-10	SCREW
		2			MS27039-1-14	SCREW
		8			MS27039-1-16	SCREW
		1			MS27039-1-17	SCREW
		18			NAS1149D0363J	WASHER (or AN960JD10)
6	6	1			NAS1149D0663J	WASHER (or AN960JD616)
			2		NAS1149C0932R	WASHER (or AN960C916L)
		4			NAS1515H-5L	WASHER

• COPYRIGHT © 2010 BY DART AEROSPACE USA, INC. •
 THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED
 OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

Revision: D
 Date: 11.06.10